



Chemlon® 240 GI

Teknor Apex Company - Polyamide 6

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.15 to 0.35	%	ISO 2577
Water Absorption (24 hr, 73°F)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	23900	psi	ISO 527
Tensile Strain (Break)	5.0	%	ISO 527
Flexural Modulus	1.45E+6	psi	ISO 178
Flexural Stress	32600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	7.6	ft·lb/in ²	
73°F	12	ft·lb/in ²	
Notched Izod Impact Strength (73°F)	10	ft·lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	401	°F	ISO 75-2/A
Melting Temperature	428	°F	ISO 11357

Notes

¹ Typical properties: these are not to be construed as specifications.